

UNIT 6 LESSON 4A HOMEWORK
Rates and Proportions

Name: _____

Date: _____ Math: _____

Lesson 3 Review:

1. For each of the following scenarios, find the two possible unit rates.

a. Julia ties 15 bows in 5 minutes.

b. Albert runs 5 miles in 30 minutes

2. Dillon earned \$185.00 working 20 hours at a car wash.

A. What was his hourly rate of pay?

B. How much would he earn in 14 hours?

3. A 20-lb bag of dog food costs \$9.40. A 25-lb bag costs \$11.25. Which bag is a better deal?

Unit 6 Lesson 4A

4. Each represents a proportion. Use a scale factor to find the value of the variable.

$$\frac{x}{42} = \frac{25}{70}$$



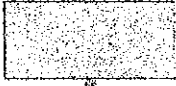

$$\frac{4}{h} = \frac{8}{10}$$

$$\frac{7}{9} = \frac{x}{22}$$


5. Decide whether each represents a proportional relationship. Justify your reasoning.


A.


Sale on HDTVs!
Shop by Screen Size (*click on screen*)

			
20" x 30"	24" x 36"	28" x 42"	32" x 48"

B.


16 GB
\$200


32 GB
\$300


64 GB
\$400

6. Find the missing value that makes this proportional statement true:

A. 4 is to 10 as 6 is to _____.

B. 4 oz is to \$1.65 as 5 oz is to _____.

C. 3 miles is to _____ minutes as 33.3 miles is to 31.08 minutes.